

June 10, 2011

Ashis Roychowdhury Eagle Environmental, Inc. 531 North Main Street Bristol, CT 06010

Project Location: Town of Bolton High School

Client Job Number:

Project Number: 11-082.10

Laboratory Work Order Number: 11F0089

Holy L. Tolson

Enclosed are results of analyses for samples received by the laboratory on June 3, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Holly L. Folsom Project Manager



Eagle Environmental, Inc. REPORT DATE: 6/10/2011

531 North Main Street Bristol, CT 06010

ATTN: Ashis Roychowdhury

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 11-082.10

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11F0089

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Town of Bolton High School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
6-3-JW-01	11F0089-01	Air	In the Gymnasium	TO-10A/EPA 680 Modified	
6-3-JW-02	11F0089-02	Air	Hallway Outside the Gymnasium	TO-10A/EPA 680 Modified	
6-3-JW-03	11F0089-03	Air	In the Former Library	TO-10A/EPA 680 Modified	
6-3-JW-04	11F0089-04	Air	Blank	TO-10A/EPA 680 Modified	



CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

TO-10A/EPA 680 Modified

Qualifications:

Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.

Analyte & Samples(s) Qualified:

Tetrachloro-m-xylene

11F0089-01[6-3-JW-01], B031616-BLK1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson Laboratory Director

Center



ANALYTICAL RESULTS

Project Location: Town of Bolton High School

Date Received: 6/3/2011

Field Sample #: 6-3-JW-01

Sample Description/Location: In the Gymnasium Sub Description/Location:

Work Order: 11F0089

Field Sample #: 6-3-JW-01 Sample ID: 11F0089-01

Sample Matrix: Air Sampled: 6/3/2011 14:41

Flow Controller ID: Sample Type: Air Volume L: 2420

TO-10A/EPA 680 Modified

	Tot	al μg		ug/	m3		Date/Time							
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst						
Monochlorobiphenyls	ND	0.00080		ND	0.00033	1	6/10/11 12:39	CJM						
Dichlorobiphenyls	0.040	0.00080		0.017	0.00033	1	6/10/11 12:39	CJM						
Trichlorobiphenyls	0.067	0.00080		0.028	0.00033	1	6/10/11 12:39	CJM						
Tetrachlorobiphenyls	0.029	0.0016		0.012	0.00066	1	6/10/11 12:39	CJM						
Pentachlorobiphenyls	0.0084	0.0016		0.0035	0.00066	1	6/10/11 12:39	CJM						
Hexachlorobiphenyls	0.0024	0.0016		0.00099	0.00066	1	6/10/11 12:39	CJM						
Heptachlorobiphenyls	ND	0.0024		ND	0.00099	1	6/10/11 12:39	CJM						
Octachlorobiphenyls	ND	0.0024		ND	0.00099	1	6/10/11 12:39	CJM						
Nonachlorobiphenyls	ND	0.0040		ND	0.0017	1	6/10/11 12:39	CJM						
Decachlorobiphenyl	ND	0.0040		ND	0.0017	1	6/10/11 12:39	CJM						
Total Polychlorinated biphenyls	0.15			0.061		1	6/10/11 12:39	СЈМ						
Surrogates	% Reco	very		% RE	C Limits									
Tetrachloro-m-xylene		42.2*	S-20	50)-125		6/10/11 12:39							



ANALYTICAL RESULTS

Project Location: Town of Bolton High School

Date Received: 6/3/2011

Field Sample #: 6-3-JW-02 Sample ID: 11F0089-02

Sample Matrix: Air Sampled: 6/3/2011 14:44 Sample Description/Location: Hallway Outside the Gymnasium

Sub Description/Location:

Flow Controller ID: Sample Type: Air Volume L: 2415

TO-10A/EPA 680 Modified

	Tota	ıl µg		ug	'm3		Date/Time						
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst					
Monochlorobiphenyls	ND	0.0020		ND	0.00083	1	6/9/11 16:51	CJM					
Dichlorobiphenyls	0.037	0.0020		0.015	0.00083	1	6/9/11 16:51	CJM					
Trichlorobiphenyls	0.066	0.0020		0.027	0.00083	1	6/9/11 16:51	CJM					
Tetrachlorobiphenyls	0.028	0.0040		0.012	0.0017	1	6/9/11 16:51	CJM					
Pentachlorobiphenyls	ND	0.0040		ND	0.0017	1	6/9/11 16:51	CJM					
Hexachlorobiphenyls	ND	0.0040		ND	0.0017	1	6/9/11 16:51	CJM					
Heptachlorobiphenyls	ND	0.0060		ND	0.0025	1	6/9/11 16:51	CJM					
Octachlorobiphenyls	ND	0.0060		ND	0.0025	1	6/9/11 16:51	CJM					
Nonachlorobiphenyls	ND	0.010		ND	0.0041	1	6/9/11 16:51	CJM					
Decachlorobiphenyl	ND	0.010		ND	0.0041	1	6/9/11 16:51	CJM					
Total Polychlorinated biphenyls	0.13			0.054		1	6/9/11 16:51	CJM					
Surrogates	% Reco	very		% RE	C Limits								
Tetrachloro-m-xylene		61.0		50)-125		6/9/11 16:51						

Work Order: 11F0089



ANALYTICAL RESULTS

Work Order: 11F0089

Project Location: Town of Bolton High School

Date Received: 6/3/2011

Field Sample #: 6-3-JW-03

Sampled: 6/3/2011 14:49

Sample ID: 11F0089-03 Sample Matrix: Air

Sample Description/Location: In the Former Library

Sub Description/Location:

Flow Controller ID: Sample Type: Air Volume L: 2405

TO-10A/EPA 680 Modified

	Tota	al µg		ug	/m3		Date/Time	
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst
Monochlorobiphenyls	ND	0.0020		ND	0.00083	1	6/9/11 17:33	CJM
Dichlorobiphenyls	ND	0.0020		ND	0.00083	1	6/9/11 17:33	CJM
Trichlorobiphenyls	0.019	0.0020		0.0078	0.00083	1	6/9/11 17:33	CJM
Tetrachlorobiphenyls	0.014	0.0040		0.006	0.0017	1	6/9/11 17:33	CJM
Pentachlorobiphenyls	ND	0.0040		ND	0.0017	1	6/9/11 17:33	CJM
Hexachlorobiphenyls	ND	0.0040		ND	0.0017	1	6/9/11 17:33	CJM
Heptachlorobiphenyls	ND	0.0060		ND	0.0025	1	6/9/11 17:33	CJM
Octachlorobiphenyls	ND	0.0060		ND	0.0025	1	6/9/11 17:33	CJM
Nonachlorobiphenyls	ND	0.010		ND	0.0042	1	6/9/11 17:33	CJM
Decachlorobiphenyl	ND	0.010		ND	0.0042	1	6/9/11 17:33	CJM
Total Polychlorinated biphenyls	0.033			0.014		1	6/9/11 17:33	CJM
Surrogates	% Reco	very		% RE	C Limits			
Tetrachloro-m-xylene		60.4		50)-125		6/9/11 17:33	



ANALYTICAL RESULTS

Work Order: 11F0089

Project Location: Town of Bolton High School

Date Received: 6/3/2011

Field Sample #: 6-3-JW-04

Sample ID: 11F0089-04 Sample Matrix: Air Sampled: 6/3/2011 00:00 Sample Description/Location: Blank

Sub Description/Location:

Flow Controller ID:

Sample Type:

TO-10A/EPA 680 Modified

	Tota	ıl μg			Date/Time	
Analyte	Results	RL	Flag	Dilution	Analyzed	Analyst
Monochlorobiphenyls	ND	0.0020		1	6/9/11 18:14	CJM
Dichlorobiphenyls	ND	0.0020		1	6/9/11 18:14	CJM
Trichlorobiphenyls	ND	0.0020		1	6/9/11 18:14	CJM
Tetrachlorobiphenyls	ND	0.0040		1	6/9/11 18:14	CJM
Pentachlorobiphenyls	ND	0.0040		1	6/9/11 18:14	CJM
Hexachlorobiphenyls	ND	0.0040		1	6/9/11 18:14	CJM
Heptachlorobiphenyls	ND	0.0060		1	6/9/11 18:14	CJM
Octachlorobiphenyls	ND	0.0060		1	6/9/11 18:14	CJM
Nonachlorobiphenyls	ND	0.010		1	6/9/11 18:14	CJM
Decachlorobiphenyl	ND	0.010		1	6/9/11 18:14	CJM
Total Polychlorinated biphenyls	0.0			1	6/9/11 18:14	CJM
Surrogates	% Reco	very	% REC Limits			



Sample Extraction Data

$Prep\ Method:\ SW-846\ 3540C-TO-10A/EPA\ 680\ Modified$

Lab Number [Field ID]	Batch	Initial [Cartridge	Final [mL]	Date
11F0089-01 [6-3-JW-01]	B031616	1.00	0.400	06/07/11
11F0089-02 [6-3-JW-02]	B031616	1.00	1.00	06/07/11
11F0089-03 [6-3-JW-03]	B031616	1.00	1.00	06/07/11
11F0089-04 [6-3-JW-04]	B031616	1.00	1.00	06/07/11



QUALITY CONTROL

PCB Homologues by GC/MS - Quality Control

Amalyta	Total μ				Spike Level	0/DEC	%REC	מממ	RPD	E1	
Analyte	Results	RL	Kesuits	RL	Total µg	Result	%REC	Limits	RPD	Limit	Flag
Batch B031616 - SW-846 3540C											
Blank (B031616-BLK1)					Prepared: 06/	07/11 Anal	yzed: 06/09/1	1			
Monochlorobiphenyls	ND (0.0020									
Dichlorobiphenyls	ND (0.0020									
Trichlorobiphenyls	ND (0.0020									
Tetrachlorobiphenyls	ND (0.0040									
Pentachlorobiphenyls	ND (0.0040									
Hexachlorobiphenyls	ND (0.0040									
Heptachlorobiphenyls	ND (0.0060									
Octachlorobiphenyls	ND (0.0060									
Nonachlorobiphenyls	ND	0.010									
Decachlorobiphenyl	ND	0.010									
Total Polychlorinated biphenyls	0.0										
Surrogate: Tetrachloro-m-xylene	0.0934				0.200		46.7 *	50-125			S-2
LCS (B031616-BS1)					Prepared: 06/	07/11 Anal	yzed: 06/09/1	1			
Monochlorobiphenyls	0.13	0.0020			0.200		66.1	40-140			
Dichlorobiphenyls	0.14	0.0020			0.200		71.3	40-140			
Trichlorobiphenyls	0.16	0.0020			0.200		80.3	40-140			
Tetrachlorobiphenyls	0.32	0.0040			0.400		80.2	40-140			
Pentachlorobiphenyls	0.33	0.0040			0.400		83.6	40-140			
Hexachlorobiphenyls	0.32	0.0040			0.400		79.2	40-140			
Heptachlorobiphenyls	0.48	0.0060			0.600		80.7	40-140			
Octachlorobiphenyls	0.48	0.0060			0.600		79.6	40-140			
Nonachlorobiphenyls	0.19	0.010			0.200		97.1	40-140			
Decachlorobiphenyl	0.68	0.010			1.00		67.8	40-140			
Surrogate: Tetrachloro-m-xylene	0.129				0.200		64.5	50-125			
LCS Dup (B031616-BSD1)					Prepared: 06/	07/11 Anal	yzed: 06/09/1	1			
Monochlorobiphenyls	0.13	0.0020			0.200		66.0	40-140	0.121	200	
Dichlorobiphenyls	0.15	0.0020			0.200		74.7	40-140	4.73	200	
Trichlorobiphenyls	0.17	0.0020			0.200		85.5	40-140	6.24	200	
Tetrachlorobiphenyls	0.33	0.0040			0.400		83.5	40-140	3.97	200	
Pentachlorobiphenyls	0.36	0.0040			0.400		89.4	40-140	6.66	200	
Hexachlorobiphenyls	0.33	0.0040			0.400		83.6	40-140	5.38	200	
Heptachlorobiphenyls	0.50	0.0060			0.600		83.9	40-140	3.91	200	
Octachlorobiphenyls	0.47	0.0060			0.600		78.7	40-140	1.13	200	
Nonachlorobiphenyls	0.19	0.010			0.200		94.8	40-140	2.37	200	
Decachlorobiphenyl	0.68	0.010			1.00		68.5	40-140	0.986	200	
Surrogate: Tetrachloro-m-xylene	0.128				0.200		64.0	50-125			



FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
	WELDED IT IS A LITTLE OF THE LEGISLAND AND ADDRESS OF THE LEGISLAND ADDRESS OF THE LEGISLAND AND ADDRESS OF THE LEGISLAND ADDRESS OF THE LEGISLAND AND ADDRESS OF

‡ Wide RPD limits established for difficult compound.

Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the

calculation which have not been rounded.

S-20 Surrogate recovery is outside of control limits. Sample media does not allow for re-extraction.



CERTIFICATIONS

Certified Analyses included in this Report

Analyte Certifications

TO-10A/EPA 680 Modified in Air

Total Polychlorinated biphenyls

AIHA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2012



TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON TOUR CHAIN. IT III'S CHAIN. AIHA, NELAC & WBE/DBE Certific	201.22	Pegelved W: (signature)	Mont		6 Janemon	Received by (signature)	The state of the	Relinquished by: (signature)		. /	Laboratory Comments:				ON DIANK PUT	2 2 2	Twt	8) GUNDALASIUM PUE	` L		Field ID Sample Description Media Lab #	ges proposal date	Proposal Provided? (For Billing purposes)		Sampled By: James Webb	DV.		Attention: Ashis Rouchowdhuly	Bris to 1 1. 06010	- 14	Address:	Company Name: Fagle Fautingular ental INC.	AAA		' (
DAY AFTER SAMPLE RECEIPT UNLESS	13/11 /6 42 *Approval Required	Date/Time: □ *72-Hr □ *4-Day	1670	\\ \(\) \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \ \\ \\	ı	1	7 2/5	1200 A	Turnaround **								-03 648 249 pm	_	147	10 637 July		Date Date		` "	Format: EXCEL	· T		DATA DELIVERY (check one):		Client PO #	Project # //-	Telephone.(om Talanhana:	bs.com		Phone: 413-525-2332 AIR SAMPLE C
JNLESS THERE ARE QUESTIONS ON YOUR CANSWERED BY OUR CLIENT.		C e e		Bequired D		Enhanced Data Package DY	Data Enhancement/RCP? DY	Regulations:	* Special Requirements	5 DA	CLIENT	OF IENT COMMENTS:					481 5 cpm 2405	1) WIN 00 11 3	483 F/2011 3415	484 5 mm 2420	Sampled L/Min. M ³	es M³/Min. or Liters or	Total Flow Rate Volume	ONLY USE WHEN USING PUMPS	D PDF D GIS KEY D OTHER			Check one):			028:10		43(2,22)	T 000 7		AIR SAMPLE CHAIN OF CUSTODY 3
AIHA, NELA	UNIN IE THIS EORM IS NOT FILLED O	O = other	BL = BLANK	D = DUP			□ N IA= INDOOR AIR	SG= SOIL GAS	nents *Matrix Code:	Day Tunnanounce						78	Awa X	士	Amas X	AMB X	Code	64	c	5	A, tor	<u> </u>	PF	-	BO8	32		REQUESTED n	ANALYSIS	"Hg	EAST LONGMEADOW, MA 01028	39 SPRUCE ST
AIHA, NELAC & WBE/DBE Certified	OUT COMPLETELY OR IS	O = Other	C=cassette	F= filter	T=tube	P=PUF	TB=tedlar bag	S=summa can	**Media Codes:													Canister Controller	Summa	s cleaning.		of 14 days after	P Summa canisters will be	will apply.	e returned within 14 days		b Summa canisters and	a copy for your record.	completely, sign, date a		12 of	Page of 13

INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com





Sample Receipt Checklist

CLIENT NAME: Eagle Environ	mental	RECEIV	ED BY:	UB	DATE:	<u> </u>
1) Was the chain(s) of custody re 2) Does the chain agree with the If not, explain: 3) Are all the samples in good co	samples?	ed?		Yes No	No Co	oC Included
If not, explain:						
4) How were the samples receive	d:					
On Ice Direct from Sa	ampling 🕡	Ambient		n Cooler(s)	1	
Were the samples received in Ter		nce of (2-		Yes No	(N/A)	
Temperature °C by Temp blank		_Tempera	ature °C by	Temp gun	27	2-100
5) Are there Dissolved samples fo	or the lab to filter?			Yes No		
Who was notified		Tim	ne			
6) Are there any RUSH or SHORT				Yes (No)		
Who was notified		-	ne			
				sion to subcor	ntract sa	amples? Yes No
7) Location where samples are store	ed:	9	11			lready approved
·		1	11	= -		
	received a service of the service of	1. 16 TO 1. 10 TO 1.		ognature.		
Co	ontainers rec	ceived	I at Co	n-Test		
	# of containers					# of containers
1 Liter Amber	,, or contained	1 -	8 oz an	nber/clear jar		, 0. 00,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
500 mL Amber	·			nber/clear jar		
250 mL Amber (8oz amber)				nber/clear jar		
1 Liter Plastic				Cassette		
500 mL Plastic			Hg/Ho	pcalite Tube		
250 mL plastic			Plastic	Bag / Ziploc		
40 mL Vial - type listed below			PM 2	2.5 / PM 10		
Colisure / bacteria bottle			PUF	Cartridge		4
Dissolved Oxygen bottle			S	OC Kit		
Encore		J . L	TO-	17 Tubes		
Flashpoint bottle				Test Contain	er	
Perchlorate Kit				er glass jar		
Other	<u> </u>	to 200 states		Other		
Laboratory Comments:						
40 mL vials: # HCI	# Methanol			5	Time a	nd Date Frozen:
# Bisulfate	# DI Water					
# Thiosulfate	 Unpreserved					
Do all samples have the proper A	Acid pH: Yes No	NA				Doc# 277
Do all samples have the proper E	Base pH: Yes No	NA				Rev. 1 May Page 13